

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
Unincorporated area of Yolo County		Yolo County	
Authorized Signature		Title	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Person Completing This Form (please print or type)		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
1001I Street	Sacramento	CA	95814
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year	
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").	
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>	
1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2000
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
This new generation number reflects the current disposal and the diversion practices in the year 2000. The County has implemented and maintained numerous diversion practices in the last ten years, and is committed to continued diversion program expansion.	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. 37 %	Diversion rate calculated using new generation-based study	b. 65 %
For existing base year pounds/person/day based on generation	8.8	For new generation based study pounds/person/day based on generation	19
Residential generation 50 %	Non-Residential generation 50 %	Residential generation 16% %	Non-Residential generation 84% %
Population existing generation-based study 21,121		Population new generation-based study 21,450	
5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics). This new diversion rate is the result of a detailed Waste Generation and Diversion Study. The study reflects the concentrated efforts the County and businesses have taken to increase recycling and diversion activities. Several new diversion programs, educational outreach, and technical assistance programs have been implemented in the County, as described in the PARIS section of the Annual Reports. This study also includes new and expanded programs at UC Davis, as well as the County's new roadside rehabilitation programs. CIWMB Staff comments - Although the pounds per person per day is above the national average, the approved population figures used by the Board do not include UC Davis students living on campus or students living off campus that are considered to be a dependant on another individuals tax return. The increase in UC Davis student population from 1990 to 2000 is not captured in this calculation which leads to a higher pounds per person per day figure.			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.) The County is currently working to expand and improve existing programs. The default adjustment method does not accurately estimate the waste generation for the year 2000 or in future years, particularly in light of the 10 years which have occurred since the initial waste generation study, when not as much was know about the generated waste. The new study enabled the County to gain a clear understanding of the existing disposal and diversion activities from programs described in the PARIS section of the Annual Reports.			

7. Disposal Tonnage (enter values):	4285	21937	26222
	Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.** Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Residential Source Reduction					
Activities					
Backyard composting	0	0.0%			
Grasscycling	0	0.0%			
Other Residential Source Reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	0	0.0%			
Residential Recycling Activities					
Curbside Recycling	355	0.5%	Mixed paper and container materials (aluminum, glass, plastic and metal cans).	Source: Hauler/See Appendix E	Tonnage Reports by hauler
Buyback Centers	48	0.1%	Aluminum, plastic and glass redemption containers	Source: Dept. of Conservation/See Appendix G	Dept. of Conservation: Buy-back center tonnage report
Drop-off Centers	200	0.3%	Mixed paper and container materials (aluminum, glass, plastic and metal cans).	Source: County/See Appendix F	Tonnage reports from Yolo County Central Landfill
Other Residential Recycling (list each program separately)					
4020-SP-TRS - Tires	27	0.0%	Auto and truck tires	Source: County	Tonnage reports from Yolo County Central Landfill
4030-SP-WHG - White Goods	54	0.1%	Appliances	Source: County/See Appendix I-1	Tonnage reports from Yolo County Central Landfill
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	684	0.9%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Composting Activities					
Green Waste Drop-off	20	0.0%	Grass, tree and shrub clippings	Source: County/See Appendix F	Tonnage Reports, Yolo County Central Landfill
Curbside Green Waste	551	0.7%	Grass, tree and shrub clippings	Source: Hauler/See Appendix E	Tonnage Report from hauler.
Christmas Tree Program	0	0.0%	Christmas Trees	Source: County/See Appendix F	Tonnage Reports, Yolo County Central Landfill
Other Residential Composting (list each program separately)					
Residential Wood Waste Drop-off	6	0.0%	Wood and lumber	Source: County/See Appendix F	Tonnage Reports, Yolo County Central Landfill
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	577	0.8%			
Subtotal, Residential Diversion	1261	1.7%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	91	0.1%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
1000-SR-XRG Grasscycling, Government	38	0.1%	Grass clippings	0.146 tons/acre/wk. Source: CIWMB/See Appendix C	Acreage grasscycling report, Yolo County Planning and Public Works Department
1000-SR-XRG School Grasscycling (UCD)	570	0.8%	Grass clippings	0.146 tons/acre/wk. Source: CIWMB/See Appendix C	Acreage grasscycling report, U.C. Davis
1000-SR-XRG School Grasscycling (other schools)	325	0.4%	Grass clippings	0.146 tons/acre/wk. Source: CIWMB/See Appendix C	Telephone survey
1000-SR-XRG Business Grasscycling (golf courses and cemeteries)	2476	3.3%	Grass clippings	0.146 tons/acre/wk. Source: CIWMB/See Appendix C	Telephone survey
Subtotal, Non-Residential Source Reduction	3500	4.6%			
Recycling					
Non-Residential Waste Audits*	128	0.2%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
2050-RC-SCH School Recycling (UCD)	921	1.2%	Mixed paper, cardboard and container materials (aluminum, glass, plastic and metal cans)	Source: UC Davis/See Appendix H	U.C. Davis report
4060-SP-CAR- Asphalt Recycling	30810	40.6%	Asphalt recycling from roads rehabilitation projects	4-yr avg; 150lbs/cb ft. Source: CIWMB/See Appendix I-2	Yolo County Planning and Public Works Department
4060-SP-CAR- Concrete/Asphalt/Rubble Recycling	1394	1.8%	Concrete and asphalt recycling at YCCL	Source: County, 4-year average/See Appendix I-1	YCCL Tonnage Reports
Enter program name					
Subtotal, Non-Residential Recycling	33253	43.8%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (If any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmh.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Non-Residential Composting Activities					
Non-Residential Waste Audits*	103	0.1%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Commercial Wood Waste Drop-off	30	0.0%	Wood and lumber	Source: County/See Appendix F	YCCL Tonnage Reports
Commercial Greenwaste Drop-off	27	0.0%	Grass, tree and shrub clippings	Source: County/See Appendix F	YCCL Tonnage Reports
3050-CM-SCH - School Composting (UCD)	1838	2.4%	Straw, manure, grass, tree and shrub clippings	Source: UC Davis/See Appendix H	U.C. Davis report
Subtotal Non-Residential Composting	1998	2.8%			
Subtotal Non-Residential Diversion	38751	51.0%			
Residential/Non-Residential Diversion Activities					
ADC	5	0.0%	Green material	Actual tonnage from landfill report	Landfill reports at YCCL
Sludge					
Scrap Metal	444	0.6%	Scrap metal recycling at UCD and YCCL	See Appendices H & I-1	UCD and YCCL tonnage reports
Construction and Demolition	9238	12.2%	C&D materials from UC Davis	See Appendix H	UCD quarterly reports
Landfill Salvage					
Subtotal Residential/Non-Residential Diversion	9687	12.8%			
Total Res/Non-Res Source Reduction Tons	3500	4.8%			
Total Diversion Tons	49699	65.5%			
Total Disposal Tons from Sec.7	26222	34.5%			
Total Generation Tons (Div+Dis)	75921				
Diversion Rate	65%				

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation In Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
County Roads Dept. & YCCL		Concrete and Asphalt recycling		32204		32204	42.4%	O
University		C&D, paper, cardboard, cans, bottle, metals and greenwaste recycling, composting, grasscycling	570	10753	1838	13161.3	17.3%	O
Golf Course		Grasscycling	835			835.1	1.1%	O
Golf Course		Grasscycling	812.3			812.3	1.1%	O
Golf Course		Grasscycling	265.7			265.7	0.3%	O
Golf Course		Grasscycling	242.9			242.9	0.3%	O
Golf Course		Grasscycling	197.4			197.4	0.3%	O
Cemetery		Grasscycling	122.6			122.6	0.2%	O
School		Grasscycling	81.0			81	0.1%	O
School		Grasscycling	60.7			60.7	0.1%	O
Totals			3187.7	42957.3	1838	47983	63.2%	

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

See appendices

County Roads department: Distance of roads where road base recycling took place was gathered from Public Works department reports. The volume of in place road base was calculated. The conversion factor of 150 lbs. per cubic foot was applied. The source of this conversion factor is the Asphalt Institute. Concrete and Asphalt recycled at the Yolo County Central Landfill is weighed and reports have been kept since Feb. 1997. Four years of tonnage data were averaged to derive a representative amount.

University: Paper, cardboard, cans & bottles, metals, greenwaste, and composting used data obtained in tonnage reports from recyclers who take the material. C&D recycling weights were obtained by grinder survey. Grasscycling was calculated by applying the conversion factor of 7.6 (source CIWMB) to the acres grasscycled of 75.

All other grasscycling: A survey of each generator was performed. The surveyor asked each contact does grasscycling occur at the facility? how many acres make up the facility? how many of those acres were considered "mowable" acres? how many weeks per year are the mowable acres are actually mowed? and then applied the conversion factor of .146 tons per acre per week (source CIWMB) mowed. The contact also asked where the acres value came from i.e. blueprint maps, city plans, maps of school sites.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
White Goods ▼	White goods/appliance recycling at Yolo County Central Landfill	1992	54
Scrap Metal ▼	Scrap metal recycling at Yolo County Landfill	1992	52
Inert Solids ▼	Inerts recycling at Yolo County Central Landfill	1995	1394
Inert Solids ▼	Road Rehabilitation by Yolo County Public Works, Roads Dept.	1998	30810
Inert Solids ▼	UC Davis C&D Recycling Program	early 90's	6319
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

11/13/1996 (Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Inert Solids ▼	UC Davis Inert Recycling Program	2919
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Scrap Metal ▼	Scrap Metal Recycling at UC Davis	620	228	392
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Appendix B

Diversion Quantification and Methodology for Yolo County Unincorporated in 2000

Component/Program	PARIS	Tons	% WG	% Res	Res (tons)	Material	Method/Conversion	Appendix	Business Type
Source Reduction									
Xeri/Grasscycling	1000	835.10	1%	0%	0	GW	110 acs x 52 wks x 0.146 (tons/acres/wk)	C	Golf Course
Xeri/Grasscycling	1000	812.3	1%	0%	0	GW	107 acs x 52 wks x 0.146 (tons/acres/wk)	C	Golf Course
Xeri/Grasscycling	1000	570.0	1%	0%	0	GW	75 acs x 52 wks x 0.146 (tons/acres/wk)	C	University
Xeri/Grasscycling	1000	265.7	0%	0%	0	GW	35 acs x 52 wks x 0.146 (tons/acres/wk)	C	Golf Course
Xeri/Grasscycling	1000	242.9	0%	0%	0	GW	32 acs x 52 wks x 0.146 (tons/acres/wk)	C	Golf Course
Xeri/Grasscycling	1000	197.4	0%	0%	0	GW	26 acs x 52 wks x 0.146 (tons/acres/wk)	C	Golf Course
Xeri/Grasscycling	1000	122.6	0%	0%	0	GW	20 acs x 42 wks x 0.146 (tons/acres/wk)	C	Cemetery
Xeri/Grasscycling	1000	81.0	0%	0%	0	GW	15 acs x 37 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	60.7	0%	0%	0	GW	8 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	45.6	0%	0%	0	GW	6 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	38.0	0%	0%	0	GW	5 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	38.0	0%	0%	0	GW	5 acs x 52 wks x 0.146 (tons/acres/wk)		Parks Dept.
Xeri/Grasscycling	1000	30.4	0%	0%	0	GW	4 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	30.4	0%	0%	0	GW	4 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	21.6	0%	0%	0	GW	4 acs x 37 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	15.2	0%	0%	0	GW	2 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Xeri/Grasscycling	1000	1.9	0%	0%	0	GW	.25 acs x 52 wks x 0.146 (tons/acres/wk)	C	School
Total Source Reduction		3,409	4%		0				
Recycling									
Residential Curbside	2000	355	0%	100%	355	Multiple	Hauler report	E	Waste hauler
Residential Drop-Off (YCCL)	2010	200	0%	100%	200	Multiple	YCCL report		Landfill
Buyback Centers	2020	48	0%	100%	48	CRV	9/11/01 DOC letter	G	State
Other/Business Recycling		322	0%	0%	0	Multiple	See Appendix D	D	
School Recycling (UCD)	2050	921	1%	0%	0	Multiple	UCD report	H	University
Total Recycling		1,846	2%		603				
Composting									
Residential Greenwaste Drop-off	3010	20	0%	100%	20	GW	Drop off in Clarksburg and YCCL	F	Landfill
Residential Woodwaste Drop-off	4050	6	0%	100%	6	Wood	Drop off at YCCL	F	Landfill
Curbside Greenwaste	3000	551	1%	100%	551	GW	Hauler report	E	Waste hauler

Appendix B

Diversion Quantification and Methodology for Yolo County Unincorporated in 2000

Component/Program	PARIS	Tons	% WG	% Res	Res (tons)	Material	Method/Conversion	Appendix	Business Type
Christmas Tree Recycling		0	0%	100%	0	GW	YCCL report	F	Landfill
Commercial Greenwaste Drop-off	3030	27	0%	0%	0	GW	YCCL report	F	Landfill
Commercial Woodwaste Drop-off	4050	30	0%	0%	0	Wood	YCCL report	F	Landfill
School Composting	3050	1,838	2%	0%	0	Manure	UCD report	H	University
Total Composting		2,472	3%		577				
Special Waste									
Tire Recycling	4020	27	0%	100%	27	Rubber	YCCL report		Landfill
White Goods	4030	54	0%	100%	54	Appliances	YCCL report	I-1	Landfill
Scrap Metals Processing (YCCL)	4040	52	0%	100%	52	Metal	YCCL report	I-1	Landfill
Scrap Metals Processing (UCD)	4040	392	1%	0%	0	Metal	UCD report	H	University
Inerts Reuse (UCD Landfill)	4060	2,919	4%	0%	0	Inerts	UCD report	H	University
C&D (UCD)	4060	6,319	8%	100%	6,319	Inerts	UCD report	H	University
Inerts Reuse YCCL	4060	1,394	2%	0%	0	Inerts	YCCL report	I-1	Landfill
Yolo County Road Rehabilitation	4060	30,810	41%	0%	0	Inerts	Yolo County Public Works Roads Dept.	I-2	County
ADC		5	0%	0%	0	ADC	DBR	F	County
Total Special Waste		41,971	55%		6,452				
TOTAL DIVERSION		49,698	65%		7,631				
DISPOSAL									
Altamont Landfill (Alameda)		0	0%		0				
Azusa Land Reclamation (L.A.)		8	0%		0				
Sacramento Co. Landfill		345	0%		0				
L&D Landfill (Sac. Co.)		398	1%		0				
Anderson Solid Waste Disposal (Shasta Co.)		134	0%		0				
Potrero Hills Landfill (Solano)		25	0%		0				
Yolo County Central Landfill		16,430	22%		4,285			A	
UC Davis Landfill		9,780	13%		0				
Ostrom Road Landfill (Yuba/Sutter)		85	0%		0				
Disposal Modification for Rumsey Indian Reservation		(984)							
TOTAL DISPOSAL		26,222	35%		4,285				
TOTAL GENERATION		75,920			11,916	21,450	(Y2K Population)		19.4
DIVERSION RATE		65.5%			15.7%	Residential % of Waste Generation			
Abbreviations used are:	CRV	California Redemption Value			Res	Residential			
	DOC	Department of Conservation			UCD	UC Davis			
	GW	Green Waste			YCCL	Yolo County Central Landfill			

Other/Business Source Reduction and Recycling

Reference Number	Business Type	Activity Description	Number of Employees	Diversion (weight in pounds)			Material Type (category)	Conversion Factor (weight per count)	Source	Diversion Pounds per year	Diversion Tons per year
				Source Reduction	Recycling	Composting					
1	Winery	occ recycling	25.0		12,019.00		Paper	50.0lbs/cy	USEPA	12,019.00	6.01
		wine bottle recycling	25.0		6,480.00		Glass	1.0lbs/ea	USEPA	6,480.00	3.24
		Fe scrap recycling	25.0				Metal	906lbs/cy	USEPA		
		recycling pallet - burned	25.0		2,400.00		Other Organic	40lbs/ea	USEPA	2,400.00	1.20
		toner/printer cartridge recycling	25.0		180.00		Other	2.5lbs/ea	USEPA	180.00	0.09
		op double/scratch	25.0	550.00			Paper	0.77lbs/gal	USEPA	550.00	0.28
		reusing binders	25.0		10.00		Other	1.63lbs/binder	Actual (ave) Weight	10.00	0.01
		reuse of plastic 55 gal drum	25.0	45.00			Plastic	15lbs/ea	UCLA/rs	45.00	0.02
				605.00	21,079.00					21,684.00	10.84
2	mini market	occ recycling	5		1,544.40		Paper	2.2lbs/med box	USEPA	1,544.40	0.77
		use of totes	5	1,258.40			Paper	2.2lbs/med box	USEPA	1,258.40	0.63
		occ reuse	5	800.80			Paper	2.2lbs/med box	USEPA	800.80	0.40
				2,059.20	1,544.40					3,603.60	1.80
3	fire department	onp recycling	10		364.00		Paper	1lb/ea	Actual (ave) weight	364.00	0.18
		occ recycling	10		286.00		Paper	2.2lbs/med box	USEPA	286.00	0.14
		occ reuse	10	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
				228.80	650.00					878.80	0.44
4	post office	occ recycling	2		228.80		Paper	2.2lbs/med box	USEPA	228.80	0.11
		occ reuse	2	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
				228.80	228.80					457.60	0.23
5	marina	55 gal drum recycling	3				Metal	30lbs/ea	USEPA		
		scrap metal recycling	3				Metal	500lbs/yr	Statement		
		occ reuse	3	400.40			Paper	2.2lbs/med box	USEPA	400.40	0.20
				400.40						400.40	0.20
6	dental office	occ recycling	2		228.80		Paper	2.2lbs/med box	USEPA	228.80	0.11
		file purge - recycling	2		100.00		Paper	100lbs/yr	Statement	100.00	0.05
		occ reuse	2	114.40			Paper	2.2lbs/med box	USEPA	114.40	0.06
		op duplexing	2	52.00			Paper	5lbs/500sheets	USEPA	52.00	0.03
				166.40	328.80					495.20	0.25
7	market	occ recycling	16		2,860.00		Paper	2.2lbs/med box	USEPA	2,860.00	1.43
		pallet recycling	16		8,320.00		Other Organic	40lbs/ea	USEPA	8,320.00	4.16
		use of totes	16	3,432.00			Paper	2.2lbs/med box	USEPA	3,432.00	1.72
		occ reuse	16	2,288.00			Paper	2.2lbs/med box	USEPA	2,288.00	1.14
				5,720.00	11,180.00					16,900.00	8.45
8	drayage & truck repair	occ recycling	7		514.80		Paper	2.2lbs/med box	USEPA	514.80	0.26
		metal scrap recycling	7				Metal	1000lbs/yr	Statement		
		pallet recycling	7		1,600.00		Other Organic	40lbs/ea	USEPA	1,600.00	0.80
		tire recycling	7		1,500.00		Inorganic	75lbs/ea	USEPA	1,500.00	0.75
		occ reuse	7	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
		op duplexing	7	26.00			Paper	5lbs/500sheets	USEPA	26.00	0.01
				254.80	3,614.80					3,869.60	1.93
					800.80					800.80	0.40
9	bait & tackle shop	occ recycling	4		800.80		Paper	2.2lbs/med box	USEPA	800.80	0.40
		occ reuse	4	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
				228.80	800.80					1,029.60	0.51
					1,029.60					1,029.60	0.51
10	gas station & mini mart	occ recycling	5				Paper	2.2lbs/med box	USEPA	1,029.60	0.51
		occ reuse	5	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
		use of totes	5	686.40			Paper	2.2lbs/med box	USEPA	686.40	0.34
				915.20	1,029.60					1,944.80	0.97
11	"Corner" Store	occ recycling	3.0		1,144.00		Paper	2.2lbs/med box	USEPA	1,144.00	0.57
		reuse occ	3.0	1,144.00			Paper	2.2lbs/med box	USEPA	1,144.00	0.57
		reuse onp	3.0	520.00			Paper	1lbs/ea	Actual Weight	520.00	0.26
		ferrous can recycling (15.5 oz)	3.0				Metal	0.113lbs/15.5oz cn	USEPA		
		reuse of 5 gal buckets	3.0	21.60			Plastic	1.9lbs/ea	USEPA	21.60	0.01
				1,685.60	1,144.00					2,829.60	1.41
12	take-out restaurant	occ recycling	4		228.80		Paper	2.2lbs/med box	USEPA	228.80	0.11
		occ reuse	4	114.40			Paper	2.2lbs/med box	USEPA	114.40	0.06
		1 gal container reuse	4	218.40			Plastic	0.420lbs/ea	USEPA	218.40	0.11
				332.80	228.80					561.60	0.28
13	gas station & mini mart	occ recycling	3		1,029.60		Paper	2.2lbs/med box	USEPA	1,029.60	0.51
		occ reuse	3	457.60			Paper	2.2lbs/med box	USEPA	457.60	0.23
				457.60	1,029.60					1,487.20	0.74
		op recycling	45.0		7,100.00		Paper	7100lbs/yr	reviewee Written Statem	7,100.00	3.55
		mp/op recycling	45.0		3,000.00		Paper	3000lbs/yr	reviewee Written Statem	3,000.00	1.50
		kraft paper recycling	45.0		47,000.00		Paper	47000lbs/yr	reviewee Written Statem	47,000.00	23.50

Appendix D

Other/Business Source Reduction and Recycling

Reference Number	Business Type	Activity Description	Number of Employees	Diversion (weight in pounds)			Material Type (category)	Conversion Factor (weight per count)	Source	Diversion Pounds per year	Diversion Tons per year
				Source Reduction	Recycling	Composting					
		shrink wrap recycling	45.0		65.00		Plastic	65lbs/yr	Interviewee Written Statement	65.00	0.03
		scrap wood recycling	45.0		300.00		Other Organic	300lbs/yr	Interviewee Written Statement	300.00	0.15
		yard waste	45.0			216.00	Yard Waste	180lbs/cy	USEPA	216.00	0.11
		toner/printer cartridge recycling	45.0		20.00		Other	2.5lbs/ea	USEPA	20.00	0.01
		reuse of shredded mp	45.0	300.00			Paper	300lbs/yr	Interviewee Written Statement	300.00	0.15
		reuse of 5 gal buckets	45.0	3.60			Plastic	0.9lbs/ea	UCI A/sh	3.60	0.00
		reuse of durable pallets	45.0	720.00			Other Organic	[(#pallet)/5](40lbs)	CWMB	720.00	0.36
14	Agricultural/Seed Genetics			1,023.60	57,485.00	216.00				58,724.60	29.36
		occ reuse	2	514.80			Paper	2.2lbs/med box	USEPA	514.80	0.26
15	thrift store, gifts			514.80						514.80	0.26
		occ recycling	2		514.80		Paper	2.2lbs/med box	USEPA	514.80	0.26
		occ reuse	2	514.80			Paper	2.2lbs/med box	USEPA	514.80	0.26
		donation of clothing & housewares	2	500.00			Mix	500lbs/yr	Statement	500.00	0.25
16	self storage			1,014.80	514.80					1,529.60	0.76
		onp recycling	3		260.00		Paper	1lb/ea	Actual (ave) weight	260.00	0.13
		occ reuse	3	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
		op duplexing	3	52.00			Paper	5lbs/500sheets	USEPA	52.00	0.03
17	social services			280.80	260.00					540.80	0.27
		wood scrap recycling	10		2,000.00		Other Organic	2000lbs/yr	Statement	2,000.00	1.00
		tire recycling	10		600.00		Inorganic	75lbs/ea	USEPA	600.00	0.30
		occ reuse	10	457.60			Paper	2.2lbs/med box	USEPA	457.60	0.23
18	lumber transport			457.60	2,600.00					3,057.60	1.53
		reuse 1 gal containers	1.0	109.20			Plastic	0.42lbs/ea	USEPA	109.20	0.05
19	Grape growers			109.20						109.20	0.05
		occ recycling	2.0		354.00		Paper	50.00lbs/cy	USEPA	354.00	0.18
		op recycling	2.0		1,779.00		Paper	10.01 lbs/13gal	USEPA	1,779.00	0.89
20	Architectural office / cermaica				2,133.00					2,133.00	1.07
		wl double scratch	5.0	300.00			Paper	5lbs/rm	USEPA	300.00	0.15
21	Farm Labor Contractors			300.00						300.00	0.15
		occ recycling	6		20,800.00		Paper	100lbs/cy	USEPA	20,800.00	10.40
		grease recycling	6		7,450.00		Other Organic	7.45lbs/gal	USEPA	7,450.00	3.73
		use of totes	6	1,144.00			Paper	2.2lbs/med box	USEPA	1,144.00	0.57
22	convenience store			1,144.00	26,250.00					29,394.00	14.70
		op duplexing	6	26.00			Paper	5lbs/500sheets	USEPA	26.00	0.01
23	concrete mix materials			26.00						26.00	0.01
		scrap metal recycling	2.0				Metal	506lbs/cy	USEPA		
		wl double scratch	2.0	90.00			Paper	5 lbs/rm	USEPA	90.00	0.05
24	Gravel Extraction			90.00						90.00	0.05
25	Insurance agency	No applicable SR/R activities	1								
		occ recycling	5		1,258.40		Paper	2.2lbs/med box	USEPA	1,258.40	0.63
		occ reuse	5	286.00			Paper	2.2lbs/med box	USEPA	286.00	0.14
26	market			286.00	1,258.40					1,544.40	0.77
		mp recycling	4.0		1,218.00		Paper	1.8lbs/gal	USEPA	1,218.00	0.61
		mp double/scratch	4.0	1,218.00			Paper	1.8lbs/gal	USEPA	1,218.00	0.61
		donation of books	4.0	300.00			Paper	2.5lbs/ea	Interviewee Statement	300.00	0.15
		donation of magz	4.0	480.00			Paper	0.3lbs/ea	USEPA	480.00	0.24
		reuse occ	4.0	686.00			Paper	2.2lbs/med box	USEPA	686.00	0.34
27	Library			2,684.00	1,218.00					3,902.00	1.95
		op duplexing	10	26.00			Paper	5lbs/500sheets	USEPA	26.00	0.01
28	propane			26.00						26.00	0.01
		occ recycling	6		1,258.40		Paper	2.2lbs/med box	USEPA	1,258.40	0.63
		occ reuse	6	343.20			Paper	2.2lbs/med box	USEPA	343.20	0.17
		use of totes	6	915.20			Paper	2.2lbs/med box	USEPA	915.20	0.46
29	convenience store			1,258.40	1,258.40					2,516.80	1.26
		sawdust & wood scrap recycling	2		1,000.00		Other Organics	1000lbs/yr	Statement	1,000.00	0.50
		op duplexing	2	26.00			Paper	5lbs/500sheets	USEPA	26.00	0.01
		wood scrap reuse	2	600.00			Other Organics	600lbs/yr	Statement	600.00	0.30
30	lumber planing			626.00	1,000.00					1,626.00	0.81
		occ recycling	6		228.80		Paper	2.2lbs/med box	USEPA	228.80	0.11
		occ reuse	6	228.80			Paper	2.2lbs/med box	USEPA	228.80	0.11
31	gas station			228.80	228.80					457.60	0.23
Total				23,353.40	139,065.00	216.00				162,634.40	81.32

Appendix D

Other Business Recycling, Additional Audits

Reference Number	Business Type	Activity Description	Number of Employees	Diversion (weight in pounds)			Material Type (category)	Conversion Factor (weight per count)	Source	Diversion Pounds per year	Diversion Tons per year
				Source Reduction	Recycling	Composting					
47	farm machinery and parts sales and service	Medium OCC recycled			4,004.00		paper	2.2 lbs/medium box	U.S. EPA	4,004.00	2.00
	farm machinery and parts sales and service	Medium OCC reused		5,280.00			paper	2.2 lbs/medium box	U.S. EPA	5,280.00	2.64
	farm machinery and parts sales and service	Office paper reused as scratch or double-sided		260.00			paper	5 lbs/ream	U.S. EPA	260.00	0.13
	farm machinery and parts sales and service		61	5,540.00	4,004.00					9,544.00	4.77
70	rice packaging and distribution	OCC and office paper picked up and recycled by recycling service			46,000.00		paper	23 tons/year	business estimate	46,000.00	23.00
	rice packaging and distribution	Office paper picked up and shredded and recycled by Shred-Away			1,200.00		paper	100 lbs/month	business estimate	1,200.00	0.60
	rice packaging and distribution	Mill trash(dust, dirt, clods, powder) to recondition soil					other organic	3524 tons/year	from business records	-	-
	rice packaging and distribution	Watergrass (weeds from rice fields) sold for bird food					other organic	207 tons/year	from business records	-	-
	rice packaging and distribution	Bran used as feed additive in livestock feed					other organic	21171 tons/year	from business records	-	-
	rice packaging and distribution	Dryer trash(dryer debris and dust) sold for use in reconditioning soil					other organic	18 tons/year	from business records	-	-
	rice packaging and distribution	Rice hulls sent to cogeneration plant for burning					other organic	65,688.5 tons/year	from business records	-	-
	rice packaging and distribution	Computers donated		375.00			other	30 lbs/computer	U.S. EPA	375.00	0.19
	rice packaging and distribution	Toner cartridges returned		50.00			other	2.5 lbs/cartridge	U.S. EPA	50.00	0.03
	rice packaging and distribution		70	425.00	47,200.00					47,625.00	23.81
80	bulk oil and commercial fuel station	Pallets recycled			6,000.00		other organic	40 lbs/pallet	U.S. EPA	6,000.00	3.00
	bulk oil and commercial fuel station	Office paper used for scratch or double-sided		26.00			paper	5 lbs/ream	U.S. EPA	26.00	0.01
	bulk oil and commercial fuel station	Pallets given away for reuse		1,200.00			other organic	40 lbs/ream	U.S. EPA	1,200.00	0.60
	bulk oil and commercial fuel station		8	1,226.00	6,000.00					7,226.00	3.61
88	seed research	Mixed paper recycled			13,086.00		paper	363.5 lbs/cy	U.S. EPA	13,086.00	6.54
	seed research	Uncompacted OCC recycled			9,000.00		paper	100 lbs/cy	U.S. EPA	9,000.00	4.50
	seed research	Trimnings and prunings composted				200,000.00	other organic	100 tons/year	business estimate	200,000.00	100.00
	seed research	Truck tires recycled			3,000.00		other	75 lbs/tire	U.S. EPA	3,000.00	1.50
	seed research	reuse packing peanuts		2,000.00			plastic	2000 lb/yr	business estimate	2,000.00	1.00
	seed research	Computerized changes/paper reduction		780.00			paper	5 lbs/ream	U.S. EPA	780.00	0.39
	seed research	Medium OCC reused		2,288.00			paper	2.2 lbs/medium box	U.S. EPA	2,288.00	1.14
	seed research	Switched to more durable plastic sheeting in greenhouses		104,000.00			plastic	200 lb/roll	business estimate	104,000.00	52.00
	seed research	Red soil sent out to be resold and given away					inorganic	2392 lbs/cy	Tellus	-	-
	seed research	Black soil resold					inorganic	2392 lbs/cy	Tellus	-	-
	seed research	Computers donated to schools		1,500.00			other	1500 lbs/year	business estimate	1,500.00	0.75
	seed research		200	110,568.00	25,086.00	200,000.00				335,654.00	167.83
99	wholesale seeds	Office paper reused as scratch or double-sided		104.00			paper	5 lbs/ream	U.S. EPA	104.00	0.05
	wholesale seeds	recycle seed oil			750.00		other organic	7.45 lb/gal	US EPA	750.00	0.38
	wholesale seeds		10	104.00	750.00					854.00	0.43
117	county jail	recycle office paper			13,213.20		paper	.77lb/gal	US EPA	13,213.20	6.61
	county jail	reuse paper for scratch and doubleside		11,891.88			paper	.77lb/gal	US EPA	11,891.88	5.95
	county jail	reuse OCC for shipping		7,800.00			paper	50.08 lb/cy	Tellus	7,800.00	3.90
	county jail	reuse newspapers		14,560.00			paper	1 lb ea	business estimate	14,560.00	7.28
	county jail	reuse 55 gal drums		180.00			plastic	15 lb/drum	UCLA	180.00	0.09
	county jail	compost grass				5,200.00	yardwaste	25 lb/33 gal	field study	5,200.00	2.60
	county jail	grasscycle		2,600.00			yardwaste	25 lb/33 gal	field study	2,600.00	1.30
	county jail	reuse pallets		2,704.00			other organic	40 lb/pallet	US EPA	2,704.00	1.35
	county jail	old uniforms used as rags		240.00			other organic	2 lb/uniform	business estimate	240.00	0.12
	county jail	toner cartridges returned		105.00			other	2.5 lbs/cartndge	US EPA	105.00	0.05
	county jail	toner cartridges returned		520.00			other	5 lbs/cartndge	US EPA	520.00	0.26
	county jail	reuse folders, envelopes		450.00			paper	.03 lb/each	business estimate	450.00	0.23
	county jail	recycle grease			21,320.00		other organic	7.45 lb/ gal	US EPA	21,320.00	10.66
	county jail	old food given to animal shelter		360			other organic	30 lb/33 gal	field study	360	0.18
	county jail		90	14,110.88	34,533.20	5,200.00				81,144.08	40.57
Total				159,273.88	117,573.20	205,200.00				482,047.08	241.02

UNIVERSITY OF CALIFORNIA, DAVIS



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FACILITIES SERVICES DEPARTMENT
GROUNDS DIVISION
R4 RECYCLING PROGRAM
TELEPHONE: (530) 752-6970
FAX: (530) 752-9935

ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8654

August 17, 2001

David A. Langer
Ecotelesis
3977 26th Street, Suite 2
San Francisco, California 94131

Re: Recycling Numbers for the University of California, Davis

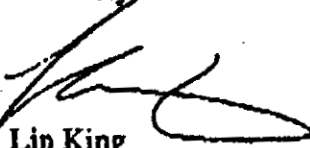
Dear Mr. Langer,

Per your request, these are the tonnages for the recycled materials during 2000 by the University of California, Davis:

- Mixed Paper: 590 tons ✓
- Cans and Bottles: 96.3 tons
- Metals: 620 tons ✓
- Green Waste: 202 tons ✓
- Cardboard: 235 tons ✓
- Organics (Straw and Manure): 1,636 tons ✓
- Construction and Demolition of the Sewage Treatment Plant: 6,319 tons (estimated) ✓
- Total Acres/ Square Footage of grass area that is grasscycled: 75 acres

Please give me a call at (530) 752-6970 if you have any further questions. Thank you.

Sincerely,


Lin King
Program Manager
R4 Recycling Program

Post-It® Fax Note	7671	Date	8/17	# of pages	1
To	Trace	From	Lin King		
Dept	Ecotelesis	Co	UC Davis		
	530 752-3601	Phone #	530-752-6970		
Fax #		Fax #			

Xc: Sal Genito, Facilities